Recombinant human CD158k/KIR3DL2 protein

Catalog Number: ATGP3649

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
22-340aa

UniProt No.
P43630

NCBI Accession No.
NP_006728

Alternative Names
Killer cell immunoglobulin-like receptor 3DL2 isoform 1, Killer cell immunoglobulin like receptor three Ig domains and long cytoplasmic tail 2, CD158 antigen-like family member K, Natural killer-associated transcript 4, NKAT-4, p70 natural killer cell receptor clone CL-5, p70 NK receptor CL-5, nkat4a, nkat4b, CD158K

PRODUCT SPECIFICATION

Molecular Weight
62.2 kDa (561aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
hIgG-His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
KIR3DL2, also known as killer cell immunoglobulin-like receptor 3DL2 isoform 1, is a type 1 transmembrane protein of the p70 family of killer cell Ig-like receptors. Killer cell immunoglobulin-like receptors (KIRs) are

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expressed by natural killer cells and subsets of T cells. The KIRs are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. Also, these proteins are thought to play an important role in regulation of the immune response. Recombinant human KIR3DL2, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

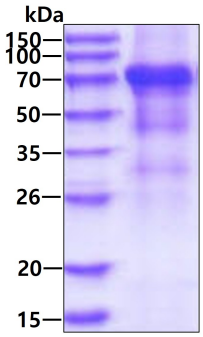
<ADP>LMGGQDK PFLSARPSTV VPRGGHVALQ CHYRRGFNNF MLYKEDRSHV PIFHGRIFQE SFIMGPVTPA HAGTYRCRGS RPHSLTGWSA PSNPLVIMVT GNHRKPSLLA HPGPLLKSGE TVILQCWSDV MFEHFFLHRE GISEDPSRLV GQIHDGVSKA NFSIGPLMPV LAGTYRCYGS VPHSPYQLSA PSDPLDIVIT GLYEKPSLSA QPGPTVQAGE NVTLSCSSWS SYDIYHLSRE GEAHERRLRA VPKVNRTFQA DFPLGPATHG GTYRCFGSFR ALPCVWSNSS DPLLVSVTGN PSSSWPSPTE PSSKSGICRH LH<VEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H>

General References

Dohring C., et al, (1996) J. Immunol. 156:3098-3101.
Pende D., et al, (1996) J. Exp. Med. 184:505-518.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.